
Aggrecan Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251591

Unit: 0.1 mg

Description:

Aggrecan core protein (Cartilage-specific proteoglycan core protein) is a major component of extracellular matrix of cartilagenous tissues. The major function of aggrecan is to resist compression in cartilage. Aggrecan binds avidly to hyaluronic acid via an N-terminal globular region. Expression of aggrecan is restricted to cartilages in chondrocytes throughout the developing skeleton. Aggrecan contains mostly chondroitin sulfate and lesser keratan sulfate chains, N-linked and O-linked oligosaccharides. The release of aggrecan fragments from articular cartilage into the synovial fluid at all stages of human osteoarthritis is the result of cleavage by aggrecanase. Defects in aggrecan are the cause of spondyloepiphyseal dysplasia type Kimberley (SEDK) and spondyloepimetaphyseal dysplasia aggrecan type (SEMD-ACAN).

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R, P, B, Rb, Ck

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Aggrecan core protein; Cartilage-specific proteoglycan core protein; CSPCP; Chondroitin sulfate proteoglycan core protein 1; Chondroitin sulfate proteoglycan 1; ACAN; AGC1; CSPG1; MSK16

Accession No.: P16112

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human aggrecan.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.